Performance Data Sheet

AJE4476YXA

General Information

Model	AJE4476YXA	**Refrigerant**	R-134a
Test Condition	Tecumseh Europe	**Performance Test Voltage**	100V ~ 50HZ
Return Gas	-6.7°C (20°F) SUPERHEAT	**Motor Type**	CSIR

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-6.7	Watts (Capacity)	1490	1260	1030	805
	Watts (Power)	572	594	617	639
	Amps	8.80	8.98	9.16	9.34
-5	Watts (Capacity)	1630	1380	1140	896
	Watts (Power)	588	616	643	671
	Amps	8.89	9.11	9.33	9.56
0	Watts (Capacity)	2070	1780	1490	1200
	Watts (Power)	629	673	718	762
	Amps	9.10	9.48	9.85	10.2
5	Watts (Capacity)	2590	2240	1900	1550
	Watts (Power)	658	722	787	851
	Amps	9.27	9.82	10.4	10.9
7.2	Watts (Capacity)	2830	2460	2090	1720
	Watts (Power)	667	741	815	889
	Amps	9.32	9.97	10.6	11.3
10	Watts (Capacity)	3160	2760	2360	1950
	Watts (Power)	675	763	850	938
	Amps	9.38	10.2	10.9	11.7
15	Watts (Capacity)	3810	3340	2880	2410
	Watts (Power)	681	794	908	1020
	Amps	9.44	10.5	11.5	12.5

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.947167E+03	4.979874E+02	7.968434E+00	
C2	1.265531E+02	-4.069594E+00	-6.279357E-02	
C3	-2.915331E+01	4.307743E+00	3.814716E-02	

C4	1.616519E+00	-4.246493E-01	-2.987171E-03	
C5	-1.018510E+00	3.682100E-01	3.352851E-03	
C6	-3.683910E-04	2.544407E-03	-1.674340E-05	
C7	0.000000E+00	0.000000E+00	0.000000E+00	
C8	-9.718934E-03	6.279328E-03	6.604480E-05	
C9	-1.150000E-10	2.740000E-06	-2.220000E-08	
C10	2.460000E-06	-1.640000E-05	1.320000E-07	

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature

Performance Data Sheet

AJE4476YXA

General Information

Model	AJE4476YXA	**Refrigerant**	R-134a
Test Condition	Tecumseh Europe	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	-6.7°C (20°F) SUPERHEAT	**Motor Type**	CSIR

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-6.7	Watts (Capacity)	1770	1500	1230	956
	Watts (Power)	676	702	729	756
	Amps	8.77	8.95	9.12	9.30
-5	Watts (Capacity)	1930	1640	1350	1060
	Watts (Power)	697	729	762	795
	Amps	8.86	9.09	9.31	9.53
0	Watts (Capacity)	2450	2100	1760	1410
	Watts (Power)	749	802	855	908
	Amps	9.13	9.50	9.88	10.3
5	Watts (Capacity)	3040	2640	2230	1820
	Watts (Power)	788	865	942	1020
	Amps	9.37	9.93	10.5	11.1
7.2	Watts (Capacity)	3330	2890	2460	2020
	Watts (Power)	800	889	978	1070
	Amps	9.46	10.1	10.8	11.4
10	Watts (Capacity)	3710	3240	2770	2290
	Watts (Power)	812	918	1020	1130
	Amps	9.58	10.4	11.2	12.0
15	Watts (Capacity)	4460	3910	3370	2820
	Watts (Power)	823	960	1100	1230
	Amps	9.77	10.8	11.9	12.9

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	3.481676E+03	5.932550E+02	7.989332E+00	
C2	1.470360E+02	-4.253946E+00	-5.294181E-02	
C3	-3.444287E+01	5.134361E+00	3.831172E-02	

C4	1.805289E+00	-5.158339E-01	-2.648402E-03	
C5	-1.179397E+00	4.448266E-01	3.439439E-03	
C6	-4.380880E-04	3.020740E-03	-1.667500E-05	
C7	0.000000E+00	0.000000E+00	0.000000E+00	
C8	-1.057841E-02	7.856036E-03	7.136490E-05	
C9	-7.500000E-11	3.170000E-06	-2.110000E-08	
C10	2.920000E-06	-1.940000E-05	1.310000E-07	

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature